

## **PCT**

Rapid PCT/Find 06 MAY 2005

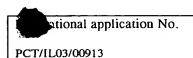
## INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 27044	FOR FURTHER ACTION	(Form PC' below.	ration of Transmittal of International Search Report T/ISA/220) as well as, where applicable, item 5			
International application No. PCT/IL03/00913	International filing date (day/mor 03 November 2003 (03.11.2003)	· · · · · · · · · · · · · · · · · · ·				
Applicant RAMOT AT TEL AVIV UNIVERSITY LTD.						
This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.						
This international search report consists of a total of						
<ol> <li>Basis of the Report         <ul> <li>a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.</li> </ul> </li> </ol>						
the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).  b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:						
filed together with the inte	nal application in written form. rnational application in computer re	adable for	m.			
furnished subsequently to this Authority in written form.  furnished subsequently to this Authority in computer readable form.						
the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.						
been furnished.		ble form is	identical to the written sequence listing has			
==	d unsearchable (See Box I).					
3. Unity of invention is lacking (See Box II). 4. With regard to the title,						
	the text is approved as submitted by the applicant.					
	ed by this Authority to read as follo	ws:				
5. With regard to the abstract,	the text is approved as submitted by the applicant.					
			ty as it appears in Box III. The applicant rch report, submit comments to this			
6. The figure of the drawings to be p	ublished with the abstract is Figure	No. <u>1b</u>	(-)			
as suggested by the applica			None of the figures			
because the applicant faile						
because this figure better of	characterizes the invention.					

Form PCT/ISA/210 (first sheet) (July 1998)





Box III TEXT OF THE ABSTRACT (Continuation of Item 5 of the first sheet)

The technical features mentioned in the abstract do not include a reference sign between parentheses (PCT Rule 8.1(d)).

A device for positioning at least one cell in at least one addressable position, the device comprising a substrate (12) formed with at least one addressable pore (14) and at least one channel (16) embedded in the substrate and being held in fluid communication with the at least one pore. The at least one pore and at least one channel are designed and constructed such that an under-pressure formed in the at least one channel results in a vacuum adherence of the at least one cell onto the at least one pore, such that a single cell is vacuum adhered onto a single pore. In one embodiment, the substrate is a non-conductive substrate and is further formed with one or more electrode structures (22), where each of the electrode structures is positioned in one of the pores. In an additional embodiment the devoie is designed to be locatable on an organ, such as the brain.



## INTERNATIONAL SEARCH REPORT

International application No.

PCT/IL03/00913

A. CLASSIFICATION OF SUBJECT MATTER  IPC(7) : A61B 5/04  US CL : 600/373						
According to International Patent Classification (IPC) or to both national classification and IPC  B. FIELDS SEARCHED						
Minimum documentation searched (classification system followed by classification symbols) U.S.: 600/373, 378; 607/116-118; 435/173.4, 287.1						
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched						
Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)						
C. DOCUMENTS CONSIDERED TO BE RELEVANT						
Category *	Citation of document, with indication, where ap	Relevant to claim No.				
A	US 4,461,304 A (KUPERSTEIN) 24 July 1984 (24.	1-368				
Α	US 4,969,468 A (BYERS et al) 13 November 1990	1-368				
A, E	US 6,699,697 B2 (KLEMIC et al) 02 March 2004 (	1-368				
A, E	US 2004/0006264 A (MOJARRADI et al) 08 Januar document.	1-368				
Further	r documents are listed in the continuation of Box C.	See patent family annex.				
Special categories of cited documents:  "A" document defining the general state of the art which is not considered to be of particular relevance  "E" earlier application or patent published on or after the international filing date  "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)		date and not in conflict with the applic principle or theory underlying the inve "X" document of particular relevance; the	later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone			
		"Y" document of particular relevance; the considered to involve an inventive step combined with one or more other such being obvious to a person skilled in the	o when the document is a documents, such combination			
"O" document referring to an oral disclosure, use, exhibition or other means  "P" document published prior to the international filing date but later than the priority date claimed		"&" document member of the same patent family				
Date of the actual completion of the international search		Date of mailing of the international search report  14 SEP 2004				
31 August 2004 (31.08.2004)  Name and mailing address of the ISA/US		Authorized officer	There is less			
Mail Stop PCT, Attn: ISA/US Commissioner for Patents P.O. Box 1450		Authorized officer harm				
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